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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/733,774		12/12/2003	Hidetoshi Okawa	1226-104	8752	
23117	7590	02/17/2006		EXAMINER		
		ERHYE, PC	MULLIS, JEFFREY C			
901 NORTH GLEBE ROAD, 11TH FLOOR ARLINGTON, VA 22203			LOOK	ART UNIT	PAPER NUMBER	
	ŕ			1711	1711	

DATE MAILED: 02/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/733,774	OKAWA, HIDETO	OKAWA, HIDETOSHI			
		Examiner	Art Unit				
		Jeffrey C. Mullis	1711				
Period f	The MAILING DATE of this communication app or Reply	pears on the cover sh	eet with the correspondence ac	ddress			
WHIO - External after af	HORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAPAIS OF THE MAILING DAPAIS OF THE MAILING DAPAIS OF THE MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMN 36(a). In no event, however, will apply and will expire SIX ( , cause the application to bec	MUNICATION. may a reply be timely filed  6) MONTHS from the mailing date of this come ABANDONED (35 U.S.C. § 133).	,			
Status							
1)🖂	Responsive to communication(s) filed on RCE	request of 12-1-06.					
2a)	This action is <b>FINAL</b> . 2b)⊠ This	action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under E	x parte Quayle, 193	5 C.D. 11, 453 O.G. 213.				
Disposit	tion of Claims						
4)⊠	Claim(s) 9 and 13-20 is/are pending in the app	lication.					
,—	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)[	Claim(s) is/are allowed.						
6)⊠	⊠ Claim(s) <u>9 13-20</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)[	Claim(s) are subject to restriction and/or	r election requiremer	nt.				
Applicat	tion Papers						
9)[	The specification is objected to by the Examine	r.					
•	The drawing(s) filed on is/are: a) acce		ed to by the Examiner.				
,—	Applicant may not request that any objection to the		-				
	Replacement drawing sheet(s) including the correct			FR 1.121(d).			
11)	The oath or declaration is objected to by the Ex						
Priority :	under 35 U.S.C. § 119						
12)	Acknowledgment is made of a claim for foreign	priority under 35 U.S	S.C. § 119(a)-(d) or (f).				
	☐ All b)☐ Some * c)☐ None of:						
	1. Certified copies of the priority documents	s have been received	<b>d</b> .				
	2. Certified copies of the priority documents						
	3. Copies of the certified copies of the prior	ity documents have	been received in this National	Stage			
	application from the International Bureau	ı (PCT Rule 17.2(a))					
* (	See the attached detailed Office action for a list	of the certified copies	s not received.				
A44	-A/-A						
Attachmer  1) Notice	nt(s) ce of References Cited (PTO-892)	<b>∆</b> □ 1=4==	nion Summan (DTO 442)				
	ce of Draftsperson's Patent Drawing Review (PTO-948)		rview Summary (PTO-413) er No(s)/Mail Date				
3) 🔲 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)		ce of Informal Patent Application (PT	O-152)			
Pape	er No(s)/Mail Date	6) ∐ Othe	or:				

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 9 and 13-20 are rejected under 35 U.S.C. 102(b) as anticipated by Aoshima et al. (US 4,668,761).

Aoshima discloses a process in which a tube having a diameter of 4mm outer and 1mm inner is made by extrusion and stretching at temperatures up to the softening point of an "acetal copolymer" made by Polyplastic having the tradename DURACON M25-04. See Examples 1-12 in column 15. Note that the polyacetal copolymers have applicants comonomer units "1" at column 11, lines 9-14 including branching units such as pentaerythritol derived units. Note that the MFI is 1-20 at column 11, lines16-18 and 90-99% of oxymethylene recurring units are present at column 11, lines 20-25. Applicants' remarks in the first complete paragraph of their remarks of 12-1-05 admit that Duracon M25-04 has a monomeric composition and MI such that it meets the limitations pertaining to

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the polyoxymethylene copolymer component. With re to applicants limitations re stretching, such are found in (control) experiments 13 and 14 in Table 1 as set out at lines 44-45 of column 15 including applicants use of atmospheric pressure.

Applicant's arguments filed 12-1-05 have been fully considered but they are not persuasive. As set out above the use of atmospheric pressure is disclosed in the control example of the patent. Patentees use a temperature of 160 degrees centigrade, within the claimed range. While patentees of course teach against use of atmospheric pressure, control examples 13 and 14 of the patent nonetheless "describe" applicants invention within the meaning of 35 USC 102(b).

Any inquiry concerning this communication should be directed to Jeffrey C. Mullis at telephone number 571 272 1075.

JCM

2-10-06

Jeffrey C. Mullis J Mullis Art Unit 1711

> Jeffrey Mullis Primary Examiner Art Unit 1711